REMARKS

Claims 5, 12, 13, 15, 19 and 20 are currently active.

The Examiner has objected to Claims 9 and 11-15. Claims 5, 19 and 20 are Claims 9, 11 and 14, respectively, rewritten in independent form with all the limitations of its base claim and any intervening claims.

The Examiner has indicated the Oath/Declaration is incorrect as defective. The Oath/Declaration is resubmitted with the post office address "same as above".

The Examiner has rejected Claims 9, 11 and 15 under 35 U.S.C. 112, first paragraph. In response to the Examiner's questions, B is simply the bit's # written on page 11, lines 8 and 9. For the sum, each parentheses has 4 elements, with the last element starting at 0 and then iterating up to 7. This iterative number is B. See page 11, line 12.

In regard to how the six bits are made from an integer lattice. i, j, k; as mentioned above, on page 11, lines 6 and 7, the specification states "the 6 bit quantity is defined as the lower 6 bits of the sum: [See algorithm on page 11, lines 8 and 9]. It is as simple as that, in regard to how the six bits are derived.

The Examiner has rejected Claims 9, 11 and 15 under 35 U.S.C. 112, second paragraph. In regard to Claim 9, the function b is the equation followed by the "define b (i,j.k,B). The new patternIndex is determined by the equation to the right of the "=" sign where the old "patternIndex" is used.

In regard to Claim 11, it is respectfully submitted it is defined in the claim. $S=(x+y+z)/3$. S does not mean skew. S is then substituted into the right of the equality to determine (x',y', z').

In regard to Claim 15, the function, of "O ()" is a well-known function to one skilled in the art, that simply means on the order of, and has been accordingly amended.

In view of the foregoing amendments and remarks, it is respectfully requested that the outstanding rejections and objections to this application be reconsidered and withdrawn, and Claims 5, 12, 13, 15, 19 and 20, now in this application be allowed.

Respectfully submitted,

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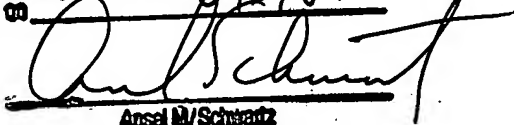One Sterling Plaza
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